

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Simultaneous Dedication
 NSL NSP SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
 DHC CTB PLC PC OLS OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
 WFX PMX SWD * IPI EOR PPR

- [D] Other: Specify *Application to Amend Order No. SWD-1379

-SWD -1379-A
 Apache Corporation
 873
 well
 -Barnsdale Federal
 SWD
 30-05-42468
 Pool
 -SWD, Wolfcamp
 Cisco
 96136

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

- [A] Working, Royalty or Overriding Royalty Interest Owners
 [B] Offset Operators, Leaseholders or Surface Owner
 [C] Application is One Which Requires Published Legal Notice
 [D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
 [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
 [F] Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

David Catanach
 Print or Type Name

David Catanach
 Signature

Agent-Apache Corporation
 Title

8/27/14
 Date

drcatanach@netscape.com
 E-Mail Address

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance _____ Disposal _____ Storage
Application qualifies for administrative approval? _____ Yes _____ No
- II. OPERATOR: _____ Apache Corporation (OGRID-873) _____
ADDRESS: _____ 303 Veterans Airpark Lane, Suite 3000 Midland, Texas 79705 _____
CONTACT PARTY: _____ David Catanach-Agent _____ PHONE: (505) 690-9453
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? _____ Yes _____ No *
If yes, give the Division order number authorizing the project: _____ *Application is to amend Order No. SWD-1379
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: _____ David Catanach _____ TITLE: _____ Agent-Apache Corporation _____

SIGNATURE: _____ David Catanach _____ DATE: _____ 8/27/14 _____

E-MAIL ADDRESS: _____ drcatanach@netscape.com _____

- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

August 27, 2014

Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Attention: Ms. Jami Bailey
Division Director

Re: Form C-108 – Application to Amend Order No. SWD-1379
Apache Corporation
Barnsdall Federal SWD No. 1
API No. (30-015-42468)
330' FNL & 1880' FEL, Unit B
Section 27, T-17S, R-29E, NMPM,
Eddy County, New Mexico

Dear Ms. Bailey,

By Order No. SWD-1379 dated January 3, 2013 Apache Corporation (“Apache”) was authorized to utilize its proposed Barnsdall Federal SWD No. 1 as a produced water disposal well, injection to occur into formations from the Devonian through the base of the Ellenburger through perforations from approximately 11,840 feet to 13,000 feet.

After testing the injectivity of the Devonian and Ellenburger formations in an offset disposal well, Apache has elected to complete the Barnsdall Federal SWD No. 1 as a produced water disposal well in the Wolfcamp/Cisco interval through perforations from approximately 7,700 feet to 9,500 feet. Consequently, Apache is seeking approval to amend Order No. SWD-1379 to authorize injection into the Wolfcamp/Cisco interval in the subject well.

The application to amend Order No. SWD-1379 includes:

1. Form C-108;
2. Injection well data sheet and wellbore schematic diagram showing all well construction and completion details;
3. Injection Interval Geologic Data;
4. Updated Area of Review Well Data. As per the original Devonian/Ellenburger completion, no AOR wells penetrated the injection interval. As per the new Wolfcamp/Cisco completion, there is one AOR well that penetrates the injection interval. Well construction data for this well is attached. The data shows that this well is constructed so as to preclude the migration of fluid from the proposed injection interval;
5. Affirmative Statement;
6. Offset operator/leasehold owner/surface owner notification letter;
7. AOR notice map showing all numbered offset tracts;

8. Updated leasehold owner/operator list. As a result of the change in the injection interval depth, the lease ownership of Tracts No. 3 and 4 changed from the original application, as shown on the updated leasehold owner list. All Wolfcamp/Cisco leasehold owners and all operators of wells that penetrate the injection interval within a ½ mile radius of the Barnsdall Federal SWD No. 1 are being provided notice of this application;
9. Publication Notice. The affidavit of publication will be provided to the OCD upon receipt by Apache from the Artesia Daily News; and
10. Copy of Order No. SWD-1379.

All other aspects with regards to the proposed disposal operation will be conducted in accordance with the original C-108 application.

I believe that all the information necessary to amend Order No. SWD-1379 is enclosed. If additional information is needed, please contact me at (505) 690-9453.

Sincerely,



David Catanach-Agent
Apache Corporation
303 Veterans Airpark Lane, Suite 3000
Midland, Texas 79705

Xc: OCD-Artesia

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

X AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-42468	Pool Code 96136	Pool Name SWD; Wolfcamp - Cisco
Property Code 19485	Property Name BARNSDALL FEDERAL SWD	Well Number 1
OORID No. 873	Operator Name APACHE CORPORATION	Elevation 3560

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	27	17-S	29-E		330	NORTH	1880	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

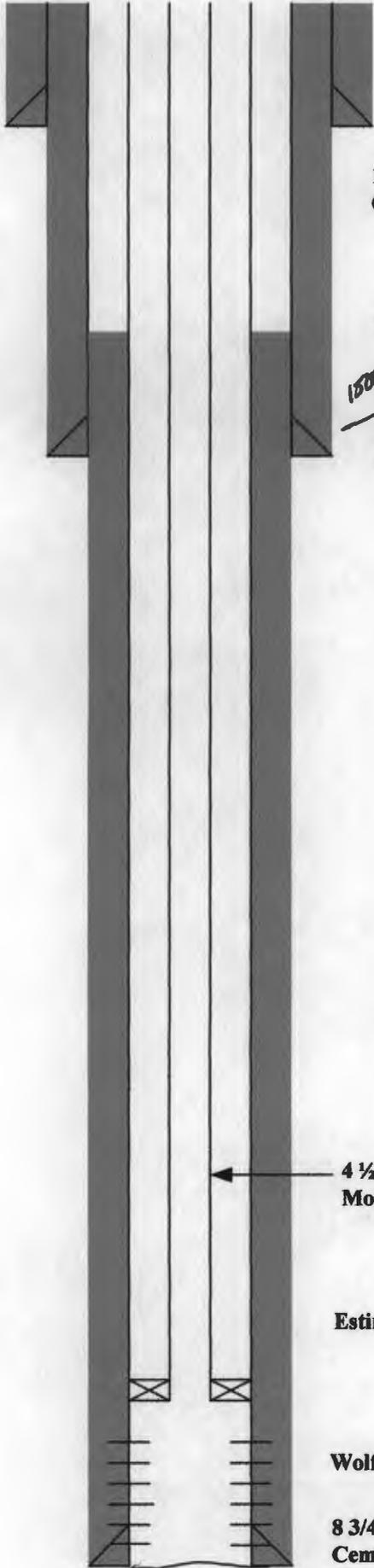
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Sorina L. Flores</i> 8/21/12 Signature Date</p> <p>Sorina L. Flores Printed Name</p> <p>sorina.flores@apachecorp.com E-mail Address</p>
	<p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>AUGUST 27, 2012</p> <p>Date of Survey Signature & Seal of Professional Surveyor: <i>Ronald J. Eidson</i></p> <p></p> <p>Certificate Number Gary C. Eidson 12641 Ronald J. Eidson 3239</p> <p>BKL FWSC W.O.: 12.11.1353</p>

GEODETTIC COORDINATES
NAD 27 NME
SURFACE LOCATION
Y=659150.7 N
X=584086.1 E
LAT.=32.811794° N
LONG.=104.059645° W
LAT.=32°48'42" N
LONG.=104°03'35" W

Proposed Wellbore Configuration

Apache Corporation
Barnsdall Federal SWD No. 1
API No. 30-015-42468
330' FNL & 1880' FEL (Unit B)
Section 27, T-17 South, R-29 East, NMPM



17 1/2" Hole; Set 13 3/8" 48# H-40 Csg @ 130'
Cement w/580 Sx. Circulate cement to surface.

TOC @ 3,000' (Proposed)

1800' to 18'

12 1/4" Hole; Set 9 5/8" 40# J-55 & HCK-55 Csg @ 4,500'
Cement w/1400 Sx. Circulate cement to surface.

4 1/2" Duo-Lined Injection Tubing set in a
Model A Lockset Packer @ 7,600'

Estimated Formation Tops: Wolfcamp: 7,468'
Cisco: 8,149'

Wolfcamp/Cisco Perforations: 7,700'-9,500' (Estimated)

8 3/4" Hole; Set 7" 29# HCL-80 Csg. @ 10,000'
Cement w/865 sx. Cement to a depth of 3,000'

T.D. 10,000'

500'
Strawn (est)
9940
TD written 200 lb

INJECTION WELL DATA SHEET

Tubing Size: 4 1/2" Lining Material: Duo Lined (Extruded Thermoplastic)

Type of Packer: Model A Lockset Injection Packer

Packer Setting Depth: 7,600' or within 100' of the uppermost injection perforations

Other Type of Tubing/Casing Seal (if applicable): None

Additional Data

1. Is this a new well drilled for injection: X Yes No

If no, for what purpose was the well originally drilled:

2. Name of the Injection Formation: Wolfcamp/Cisco

3. Name of Field or Pool (if applicable): Grayburg Upper-Penn (29270)

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

None

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Grayburg Jackson Seven Rivers-Queen-Grayburg-San Andres Pool (2,900'); Bear Grass Draw Glorieta-Yeso Pool (6,100');

Grayburg Upper-Penn Pool (9,500'); Grayburg-Morrow Gas Pool;

Apache Corporation
Form C-108: Application to Amend Order No. SWD-1379
Barnsdall Federal SWD No. 1
Section 27, T-17 South, R-29 East, NMPM,
Eddy County, New Mexico
Geologic Data

Wolfcamp Formation:

Depth: 7,468'
Thickness: 681'
Lithology: Limestone & Dolomite

Cisco Formation:

Depth: 8,149'
Thickness: 1,791'
Lithology: Shale, Limestone & Dolomite

Injection Zone Perforated Interval (Estimated): 7,700'-9,500'

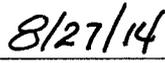
(Note: Injection zone perforated interval may be expanded to include shallower intervals in the Wolfcamp formation and deeper intervals within the Cisco formation).

Application to Amend Order No. SWD-1379
Affirmative Statement
Apache Corporation
Barnsdall Federal SWD No. 1
Section 27, T-17 South, R-29 East, NMPM,
Eddy County, New Mexico

Available geologic and engineering data has been examined and no evidence of open faults or hydrological connection between the injection zone and any underground sources of drinking water has been found.

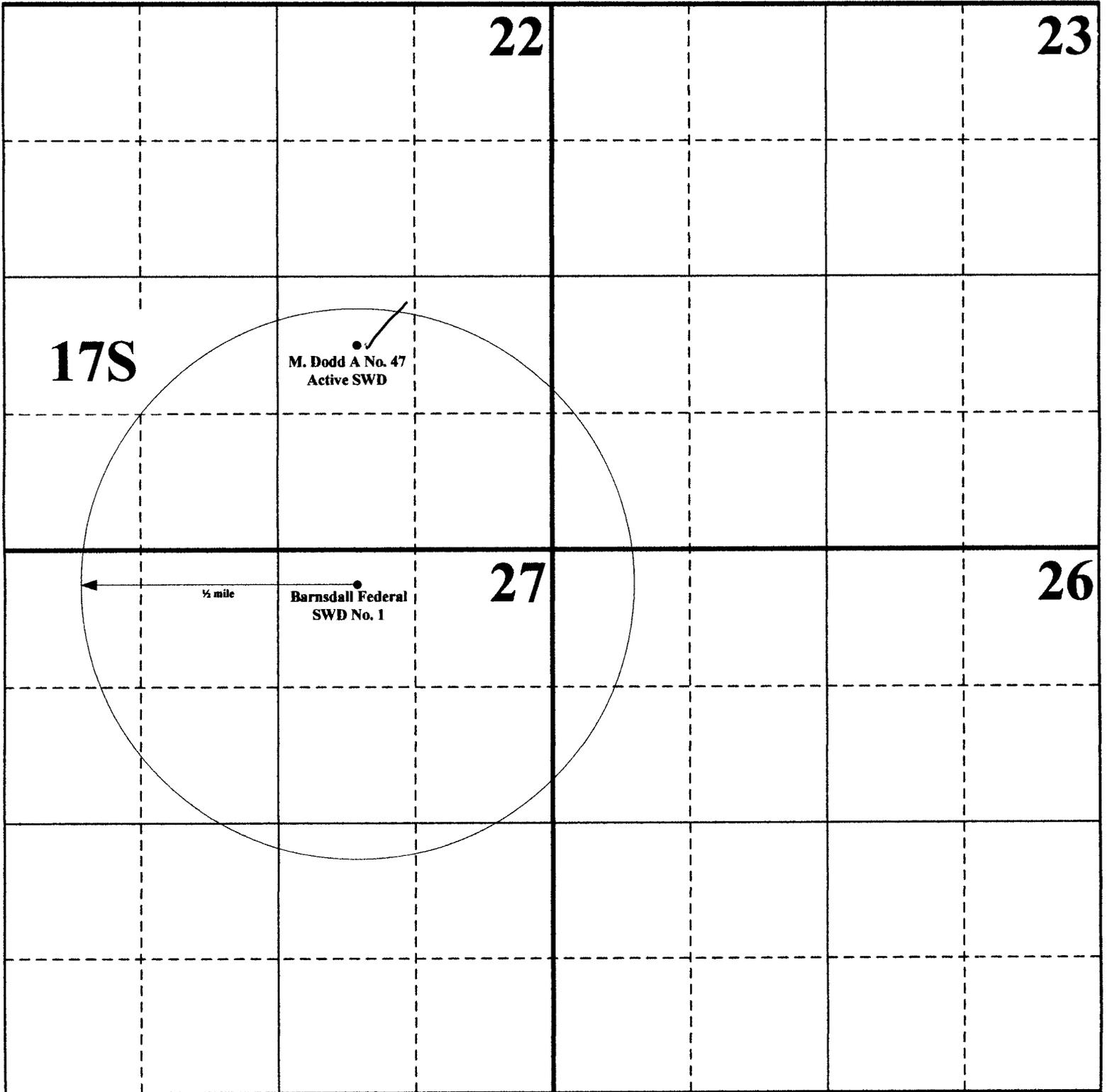


David Catanach
Agent for Apache Corporation



Date

29 East



Apache Corporation

Form C-108: Application to Amend Order No. SWD-1379

Barnsdall Federal SWD No. 1

1/2 Mile AOR (Only Wells That Penetrate Injection Interval Shown)

Application to Amend SWD-1379
Apache Corporation
Barnsdall Federal SWD No. 1
Well Data-AOR Update

Well Name: M Dodd A SWD No. 47
Operator: COG Operating, LLC
API No. : 30-015-20408
Date Drilled: 3/1971

17 ½" Hole; 11 ¾" csg. set @ 285'. Cemented w/250 sx. Cement circulated to surface
11" Hole; 8 5/8" csg. set @ 3,500'. Cemented w/400 sx. Calc. TOC @ 2,049'.

Total Depth: 10,880'

Well Tested non-commercial & was PA'd 5/1971.

Set cement plugs as follows:

35 sx. 10,200'-10,300'
35 sx. 8,800'-8,900'
35 sx. 7,200'-7,300'
35 sx. 5,400'-5,500'
35 sx. 3,450'-3,550'
8 5/8" casing was cut & pulled @ 1,223'
50 sx. 1,160'-1,270'
25 sx. 225'-275'
10 sx. Surface

Well was re-entered in 1994 by Marbob Energy Corporation.

Well was cleaned out to 1,241. Ran & set 8 5/8" csg. to 1,223'. 8 5/8" csg. was cemented to the base of the salt @ 780' w/150 sx. Well was then bradenhead squeezed to the top of the salt @ 360' in order to isolate the salt section.

Drilled cement plugs down to 9,520'. Ran 5 ½" csg. & set @ 9,523'. Cemented to surface via 2-stage cement job. 1st stage-650 sx. 2nd stage-1500 sx. DV Tool @ 6,643'

Perforated 5 ½" casing @ 9,055'-9,470' and completed the well as a produced water disposal well in the Upper Penn formation.

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN THE REVERSE SIDE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

LC 028731 a

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1.

OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

Moran Oil Producing & Drilling Corp. ✓

3. ADDRESS OF OPERATOR

P. O. Box 1919, Hobbs, New Mexico 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface

1980/S & 1880/E Section 22, T17S, R29E,
Eddy County, New Mexico

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Dodd

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Grayburg - Penn *stain*

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

22-17-29

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, HT, OR, etc.)

3551 GL

12. COUNTY OR PARISH

Eddy

13. STATE

N.M.

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On 4-26-71 the above well reached total depth of 10,880'. Drill stem tests and logs indicated the well to be non-productive on 4-27-71. Verbal approval was obtained from the Artesia office of the U.S.G.S. On 4-27-71 the following cement plugs were set with 9# mud between each:

35 SX	10,300 - 10,200
35 SX	8900 - 8800
35 SX	7300 - 7200
35 SX	5500 - 5400
35 SX	3450 - 3550

Additional plugs will be set after 8 5/8 is pulled.

RECEIVED
MAY - 4 1971

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

RECEIVED

APR 29 1971

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

18. I hereby certify that the foregoing is true and correct

SIGNED

Ed McFarland

TITLE

Agent

DATE

4-28-71

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

RECEIVED

MAY 5 - 1971

O. C. C.
ARTESIA, OFFICE

ACCEPTED FOR RECORD PURPOSES

MAY - 4 1971
Date

Ed McFarland
District Engineer

*See Instructions on Reverse Side

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
LC 028731 A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL GAS WELL OTHER Plug and Abandon

2. NAME OF OPERATOR
Moran Oil Producing & Drilling Corp. ✓

3. ADDRESS OF OPERATOR
P. O. Box 1919, Hobbs, New Mexico 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
1980/S 1880/E Section 22, T17S, R29E, Eddy County,
New Mexico

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, OR, etc.)
3551 GL

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Dodd

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Grayburg Penn ✓

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
22-17-29

12. COUNTY OR PARISH
Eddy

13. STATE
New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETS <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On May 25, 1971, 8 5/8 casing was shot and pulled at 1223'
Cement plugs were spotted:

- 50 sx at 1160-1270
- 25 sx at 225- 275
- 10 sx at surface

9# mud spotted between all cement plugs.

A 4" x 4' marker was installed. The location was cleared up and restored to the original contour. Location now ready for inspection.

RECEIVED
AUG-21971
U. S. GEOLOGICAL SURVEY
ARTEZIA, NEW MEXICO

18. I hereby certify that the foregoing is true and correct
SIGNED Kal M. Fisher TITLE Agent DATE 7-30-71

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

APPROVED
AUG - 1 1971
H. L. BEEKMAN
ACTING DISTRICT ENGINEER

*See Instructions on Reverse Side

CLSF

Form 3160-5
 (June 1990)

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

FORM APPROVED
 Budget Bureau No. 1004-0135
 Expires: March 31, 1993

5. Lease Designation and Serial No.
 LC-028731A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
 M. DODD A #47

9. API Well No.
 30-015-20408

10. Field and Pool, or Exploratory Area
 UNDESIGN. UPPER PENN

11. County or Parish, State
 Eddy County, NM

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
 Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other SWD OCT 22 1994

2. Name of Operator
 Marbob Energy Corporation

3. Address and Telephone No.
 P. O. Drawer 217, Artesia, NM 88210 505-748-3303

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 1980 FSL 1880 FEL, SEC. 22-T17S-R29E, UNIT J

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

CO to 1241', ran 30 jts. 8 5/8" 24# J-55 to 1241', cmtd w/150 sx Prem. Plus with 1/4# flocele & 2% Cacl, plug down @ 10:30 a.m. 7/30/94, did not circ (see sundry dated 8/1/94), bradenhead squeeze to top of salt, drld out cmt plugs from 1221-9520', TD @ 9712', ran 232 jts. 5 1/2" 17# J-55 csg to 9523', cmtd 1st stage w/650 sx Prem. Plus 50/50 poz w/6% Halad 322 & 4# salt per sx, plug down @ 7:30 a.m. 8/6/94, circ DV tool 8 hrs., cmtd 2nd stage w/1500 sx Prem. 50/50 poz w/.6% Halad 322 & 4# salt per sx, plug down @ 4:45 p.m. 8/6/94, circ 125 sx.
 Note: DV tool set @ 6643'.

SEP 11 1994
 20 1994
 JV

14. I hereby certify that the foregoing is true and correct

Signed Thonda Nelson Title Production Clerk Date 9/20/94

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
 Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. OIL CONS. COMMISSION
P.O. BOX 1980
HOBBS, NEW MEXICO 88201

FORM APPROVED
Bureau No. 1004-0135
Expires: March 31, 1993

C/SF

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

N.M. OIL CONS. COMMISSION
Drager, DD
Artesia, NM 88210

5. Lease Designation and Serial No. **LC-0287831A LC-028731-A**
6. Land Owner, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other SWD

2. Name of Operator
Marbob Energy Corporation

3. Address and Telephone No.
P. O. Drawer 217, Artesia, NM 88210 **505-748-3305**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1980 FSL 1880 FEL, SEC. 22-T17S-R29E, UNIT J

7. If Unit or CA, Agreement Designation

8. Well Name and No.
M. DODD A #47

9. API Well No.
30-015-20408

10. Field and Pool, or Exploratory Area
GRBG JACKSON SR Q GRBG SA

11. County or Parish, State
Eddy County, NM

OCT 22 1994

C. D. OFFICE

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other RE-ENTRY & CSG INTEGRITY
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

9/17/94 CO cmt & DV tool to PBTD 9522', perf csg 9055-9470' w/4 SPF 1060 perfs, acd w/10,000 gals. 15% NE ac, TIH w/265 jts. new N-80 IPC tbg & Otis pkr, set @ 8965', circ pkr fluid, tst csg to 580# f/30 minutes--held okay.

OCT 20 1994

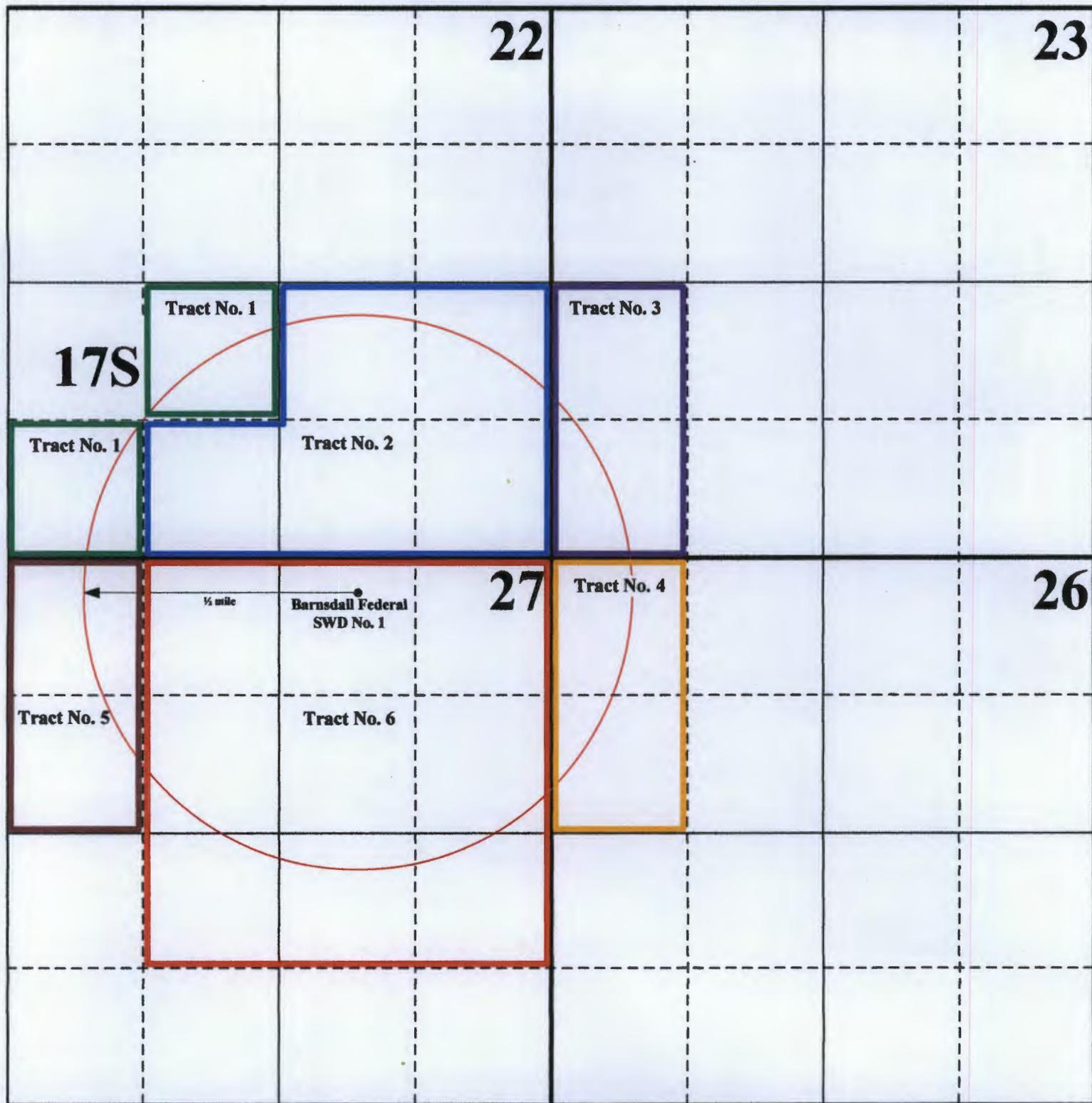
JV

14. I hereby certify that the foregoing is true and correct.
Signed *Rhonda Nelson* Title Production Clerk Date 9/20/94

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

29 East



Apache Corporation
Form C-108: Application to Amend Order No. SWD-1379
Barnsdall Federal SWD No. 1
Offset Leasehold Owner Tract Identification

August 27, 2014

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

TO: OFFSET LEASEHOLD OWNERS & SURFACE OWNER (**See Attached List**)

Re: Apache Corporation
Form C-108: Application to Amend Order SWD-1379
Barnsdall Federal SWD No. 1
API No. 30-015-42468
330' FNL & 1880' FEL, Unit B, Section 27, T-17S, R-29E, NMPM,
Eddy County, New Mexico

Ladies & Gentlemen:

By Order No. SWD-1379 dated January 3, 2013 Apache Corporation ("Apache") was authorized to utilize its proposed Barnsdall Federal SWD No. 1 as a produced water disposal well, injection to occur into formations from the Devonian through the base of the Ellenburger through perforations from 11,840 feet to 13,000 feet.

Apache has elected to change its plans and now proposes to complete the well as a produced water disposal well in the Wolfcamp/Cisco interval. Injection will occur into the perforated interval from approximately 7,700 feet to 9,500 feet.

Attached is a C-108 application being filed by Apache to amend Order No. SWD-1379 to authorize injection into the Wolfcamp/Cisco interval within the subject well. You are being provided a copy of the application as an offset leaseholder or the surface owner of the land on which the well is located.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

If you should have any questions, please contact me at (505) 690-9453.

Sincerely,



David Catanach-Agent
Apache Corporation
303 Veterans Airpark Lane, Suite 3000
Midland, Texas 79705

Enclosure

Apache Corporation
Form C-108: Application to Amend Order No. SWD-1379
Barnsdall Federal SWD No. 1
Section 27, T-17 South, R-29 East, NMPM
Eddy County, New Mexico
Offset Leasehold Owner Notification List (Page 2)

Tract No. 5

Leasehold Owner:

Chase Oil Corporation
P.O. Box 1767
Artesia, New Mexico 88211-1767

Robert C. Chase
P.O. Box 960
Artesia, New Mexico 88211-0960

Bill W. Chase
P.O. Box 515
Artesia, New Mexico 88211-0515

Buckhorn Enterprises Corporation
2101 West Runyan Ave.
Artesia, New Mexico 88210

Ventana Minerals, LLC
P.O. Box 359
Artesia, New Mexico 88211-0359

Diakan Minerals, LLC
P.O. Box 693
Artesia, New Mexico 88211-0693

Tract No. 6

Leasehold Owner

ZPZ Delaware I, LLC
(Wholly owned subsidiary of
Apache Corporation)

Surface Owner

Bureau of Land Management
620 E. Greene Street
Carlsbad, New Mexico 88220-6292

Additional Notice

Oil Conservation Division
811 S. First Street
Artesia, New Mexico 88210

Apache Corporation
Form C-108: Application to Amend Order No. SWD-1379
Barnsdall Federal SWD No. 1
Section 27, T-17 South, R-29 East, NMPM
Eddy County, New Mexico

Offset Leasehold Owner Notification List (See Attached Map)

Tract No. 1

Leasehold Owner:

Cimarex Energy Company
600 N. Marienfeld Street
Suite 600
Midland, Texas 79701

Tract No. 2

Leasehold Owner:

COG Operating, LLC
Concho Oil & Gas Company
600 W. Illinois Ave.
One Concho Center
Midland, Texas 79701

Tracts No. 3 & 4

Leasehold Owners:

ConocoPhillips Company
P.O. Box 7500
Bartlesville, Oklahoma 74005

Davoil Oil & Gas Limited Partnership
6300 Ridglea Place, Suite 1208
Fort Worth, Texas 76116-5738

Great Western Limited Partnership
700 W. Louisiana Ave.
Midland, Texas 79701

EOG Resources, Inc.
4000 N. Big Spring St.
Midland, Texas 79705

4220 2206 0000 0392 0217

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

MIDLAND TX 79701

Postage	\$ 1.82
Certified Fee	\$3.30
Return Receipt Fee (Endorsement Required)	\$2.70
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total	\$7.82

Postmark Here
 AUG 27 2014

Sent To: **Great Western Limited Part.**
 Street, Apt or PO Box: **700 W. Louisiana Ave.**
 City, State: **Midland, Texas 79701**

PS Form 3800, August 2006 See reverse for instructions

4220 2206 0000 0392 0204

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

FORT WORTH TX 76116

Postage	\$ 1.82
Certified Fee	\$3.30
Return Receipt Fee (Endorsement Required)	\$2.70
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total	\$7.82

Postmark Here
 AUG 27 2014

Sent To: **Davoil Oil & Gas L.P.**
 Street, Apt or PO Box: **6300 Ridglea Place, Suite 1208**
 City, State: **Fort Worth, Texas 76116-5738**

PS Form 3800, August 2006 See reverse for instructions

4220 2206 0000 0392 0194

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

MIDLAND TX 79701

Postage	\$ 1.82
Certified Fee	\$3.30
Return Receipt Fee (Endorsement Required)	\$2.70
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total	\$7.82

Postmark Here
 AUG 27 2014

Sent To: **Cimarex Energy Company**
 Street, Apt or PO Box: **600 N. Marienfeld Street Suite 600**
 City, State: **Midland, Texas 79701**

PS Form 3800, August 2006 See reverse for instructions

0020 2206 0000 0392 0104

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

MIDLAND TX 79705

Postage	\$ 1.82
Certified Fee	\$3.30
Return Receipt Fee (Endorsement Required)	\$2.70
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total	\$7.82

Postmark Here
 AUG 27 2014

Sent To: **EOG Resources, Inc.**
 Street, Apt or PO Box: **4000 N. Big Spring St.**
 City, State: **Midland, Texas 79705**

PS Form 3800, August 2006 See reverse for instructions

0220 2206 0000 0392 0170

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

BARTLESVILLE OK 74005

Postage	\$ 1.82
Certified Fee	\$3.30
Return Receipt Fee (Endorsement Required)	\$2.70
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total	\$7.82

Postmark Here
 AUG 27 2014

Sent To: **ConocoPhillips Company**
 Street, Apt or PO Box: **P.O. Box 7500**
 City, State: **Bartlesville, Oklahoma 74005**

PS Form 3800, August 2006 See reverse for instructions

4220 2206 0000 0392 0104

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

MIDLAND TX 79701

Postage	\$ 1.82
Certified Fee	\$3.30
Return Receipt Fee (Endorsement Required)	\$2.70
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total	\$7.82

Postmark Here
 AUG 27 2014

Sent To: **COG Operating, LLC**
 Street, Apt or PO Box: **600 W. Illinois Ave.**
 City, State: **One Concho Center Midland, Texas 79701**

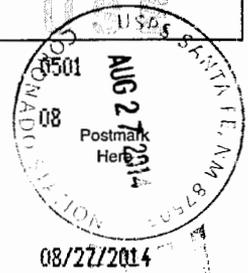
PS Form 3800, August 2006 See reverse for instructions

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

CARLSBAD NM 88220

Postage	\$	\$1.82
Certified Fee		\$3.30
Return Receipt Fee (Endorsement Required)		\$2.70
Restricted Delivery Fee (Endorsement Required)		\$0.00
Total Postage & Fees	\$	\$7.82



7013 2630 0000 9072 0101

Sent **Bureau of Land Management**
Street or P.O. **620 E. Greene Street**
City, **Carlsbad, New Mexico 88220-6292**

PS Form 3800, June 2011 Instructions

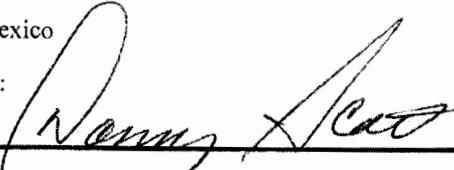
Affidavit of Publication

No. 23150

State of New Mexico

County of Eddy:

Danny Scott



being duly sworn, says that he is the Publisher

of the Artesia Daily Press, a daily newspaper of General circulation, published in English at Artesia, said county and state, and that the hereto attached

Legal Notice

was published in a regular and entire issue of the said Artesia Daily Press, a daily newspaper duly qualified for that purpose within the meaning of Chapter 167 of the 1937 Session Laws of the state of New Mexico for 1 Consecutive weeks/day on the same

day as follows:

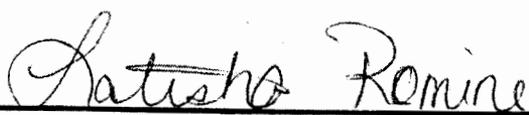
First Publication	<u>August 27, 2014</u>
Second Publication	_____
Third Publication	_____
Fourth Publication	_____
Fifth Publication	_____
Sixth Publication	_____

Subscribed and sworn before me this
27th day of August 2014



OFFICIAL SEAL
Latisha Romine
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 5/12/2015



Latisha Romine
Notary Public, Eddy County, New Mexico

Copy of Publication:

LEGAL NOTICE

Apache Corporation, 303 Veterans Airpark Lane, Suite 3000, Midland, Texas 79705 has filed a Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division ("Division") seeking to amend Division Order No. SWD-1379, which order authorized Apache to utilize its Bamsdall Federal SWD No. 1 (API No. 30-015-42468) located 330 feet from the North line and 1880 feet from the East line (Unit B) of Section 27, Township 17 South, Range 29 East, NMPM, Eddy County, New Mexico, as a produced water disposal well, injection authorized into formations from the Devonian through the base of the Ellenburger through the perforated interval from 11,840 feet to 13,000 feet. Apache has elected to change its plans regarding the proposed injection zone and now seeks authorization to complete the well as a produced water disposal well in the Wolfcamp/Cisco interval through perforations from approximately 7,700 feet to 9,500 feet.

Produced water from the Glorieta & Yeso formations originating from Apache Corporation operated wells in this area will be injected into the Bamsdall Federal SWD No. 1 at average and maximum rates of 4,000 and 15,000 barrels of water per day, respectively. The initial surface injection pressure for the well is anticipated to be at or below 1,540 psi., which is in compliance with Division regulations. The maximum surface injection pressure will be determined by step rate injection test.

Interested parties must file objections with the New Mexico Oil Conservation Division, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505, within 15 days of the date of this publication.

Additional information can be obtained by contacting Mr. David Catanach Agent-Apache Corporation at (505) 690-9453.

Published in the Artesia Daily Press, Artesia, N.M., August 27, 2014 Legal No. 23150.

Apache Corporation
Form C-108: Application to Amend SWD-1379
Barnsdall Federal SWD No. 1
Section 27, T-17 South, R-29 East, NMPM,
Eddy County, New Mexico

The following-described legal notice will be published August 27, 2014 in the:

Artesia Daily Press
503 W. Main Street
Artesia, New Mexico 88210-2067

The Affidavit of Publication will be forwarded to the Division upon receipt by Apache Corporation.

Apache Corporation, 303 Veterans Airpark Lane, Suite 3000, Midland, Texas 79705 has filed a Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division (“Division”) seeking to amend Division Order No. SWD-1379, which order authorized Apache to utilize its Barnsdall Federal SWD No. 1 (API No. 30-015-42468) located 330 feet from the North line and 1880 feet from the East line (Unit B) of Section 27, Township 17 South, Range 29 East, NMPM, Eddy County, New Mexico, as a produced water disposal well, injection authorized into formations from the Devonian through the base of the Ellenburger through the perforated interval from 11,840 feet to 13,000 feet. Apache has elected to change its plans regarding the proposed injection zone and now seeks authorization to complete the well as a produced water disposal well in the Wolfcamp/Cisco interval through perforations from approximately 7,700 feet to 9,500 feet.

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Additional information can be obtained by contacting Mr. David Catanach Agent-Apache Corporation at (505) 690-9453.

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

John Bemis
Cabinet Secretary

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

Jami Bailey
Division Director
Oil Conservation Division



Administrative Order SWD-1379
January 3, 2013

**ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION**

Under the provisions of 19.15.26.8B NMAC, Apache Corp. seeks an administrative order to utilize its proposed Barnsdall Federal SWD Well No. 1 (API 30-015-NA) to be located 330 feet from the North line and 1880 feet from the East line, Unit letter B of Section 27, Township 17 South, Range 29 East, NMPM, Eddy County, New Mexico, for produced water disposal purposes.

THE DIVISION DIRECTOR FINDS THAT:

The application has been duly filed under the provisions of 19.15.26.8B NMAC and satisfactory information has been provided that affected parties as defined in said rule have been notified and no objections have been received within the prescribed waiting period. The applicant has presented satisfactory evidence that all requirements prescribed in 19.15.26.8 NMAC have been met and the operator is in compliance with 19.15.5.9 NMAC.

IT IS THEREFORE ORDERED THAT:

The applicant, Apache Corp., is hereby authorized to utilize its proposed Barnsdall Federal SWD Well No. 1 (API 30-015-NA) to be located 330 feet from the North line and 1880 feet from the East line, Unit letter B of Section 27, Township 17 South, Range 29 East, NMPM, Eddy County, New Mexico, for disposal of oil field produced water (UIC Class II only) into formations from the Devonian through the base of the Ellenburger through perforations from approximately 11840 feet to 13000 feet through internally coated tubing and a packer set within 100 feet of the permitted interval.

The operator shall supply the Division with a copy of a mudlog over the permitted disposal interval. If significant hydrocarbon shows occur while drilling, the operator shall receive permission in writing from the Division prior to commencing disposal.

IT IS FURTHER ORDERED THAT:

The operator shall take all steps necessary to ensure that the disposed water enters only the approved disposal interval and is not permitted to escape to other formations or onto the surface.

After installing tubing, the casing-tubing annulus shall be loaded with an inert fluid and

equipped with a pressure gauge or an approved leak detection device in order to determine leakage in the casing, tubing, or packer. The casing shall be pressure tested from the surface to the packer setting depth to assure casing integrity.

The well shall pass an initial mechanical integrity test ("MIT") prior to initially commencing disposal and prior to resuming disposal each time the disposal packer is unseated. All MIT testing procedures and schedules shall follow the requirements in Division Rule 19.15.26.11A. NMAC. The Division Director retains the right to require at any time wireline verification of completion and packer setting depths in this well.

The wellhead injection pressure on the well shall be limited to **no more than 2368 psi**. In addition, the disposal well or system shall be equipped with a pressure limiting device in workable condition which shall, at all times, limit surface tubing pressure to the maximum allowable pressure for this well.

The Director of the Division may authorize an increase in tubing pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the disposed fluid from the target formation. Such proper showing shall be demonstrated by sufficient evidence including but not limited to an acceptable Step-Rate-Test.

The operator shall notify the supervisor of the Division's district office of the date and time of the installation of disposal equipment and of any MIT test so that the same may be inspected and witnessed. The operator shall provide written notice of the date of commencement of disposal to the Division's district office. The operator shall submit monthly reports of the disposal operations on Division Form C-115, in accordance with Division Rules 19.15.26.13 and 19.15.7.24 NMAC.

Without limitation on the duties of the operator as provided in Division Rules 19.15.29 and 19.15.30 NMAC, or otherwise, the operator shall immediately notify the Division's district office of any failure of the tubing, casing or packer in the well, or of any leakage or release of water, oil or gas from around any produced or plugged and abandoned well in the area, and shall take such measures as may be timely and necessary to correct such failure or leakage.

The injection authority granted under this order is not transferable except upon division approval. The division may require the operator to demonstrate mechanical integrity of any injection well that will be transferred prior to approving transfer of authority to inject.

The division may revoke this injection permit after notice and hearing if the operator is in violation of 19.15.5.9 NMAC.

The disposal authority granted herein shall terminate two years after the effective date of this order if the operator has not commenced injection operations into the subject well. One year after the last date of reported disposal into this well, the Division shall consider the well abandoned, and the authority to dispose will terminate *ipso facto*. The Division, upon written request mailed by the operator prior to the termination date, may grant an extension thereof for good cause.

Compliance with this order does not relieve the operator of the obligation to comply with other applicable federal, state or local laws or rules, or to exercise due care for the protection of fresh water, public health and safety and the environment.

Jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh or protectable waters or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the disposal authority granted herein.


JAMI BAILEY
Director

JB/wvjj

cc: Oil Conservation Division – Artesia District Office
Bureau of Land Management – Carlsbad Field Office



C-108 Review Checklist: Received 08/28/14 Add. Request: Reply Date: Suspended: [Ver 13]

PERMIT TYPE: WFX / PMX / SWD Number: 1379-A Permit Date: 10/01/14 Legacy Permits/Orders: SWD-1379

Well No. 1 Well Name(s): Barnsdall Fed. SWD

API: 30-0 15-42468 Spud Date: TBD New or Old: New (UIC Class II Primacy 03/07/1982)

Footages 330 FNL / 1880 FEL Lot — or Unit B Sec 27 Tsp 17S Rge 29E County Eddy

General Location: 17 miles E of Artesia / 1 mi S of US82 Pool: SWD's Wolfcamp - Cisco Pool No.: 96/36

BLM 100K Map: Artesia Operator: Apache Corporation OGRID: 873 Contact: D. Catarach

COMPLIANCE RULE 5.9: Total Wells: 2954 Inactive: 3 Fincl Assur: Yes Compl. Order? No IS 5.9 OK? Yes Date: 10/01/14

WELL FILE REVIEWED Current Status: APD on file - change in completion - new proposed interval

WELL DIAGRAMS: NEW: Proposed or RE-ENTER: Before Conv. After Conv. Logs in Imaging: to be submitted

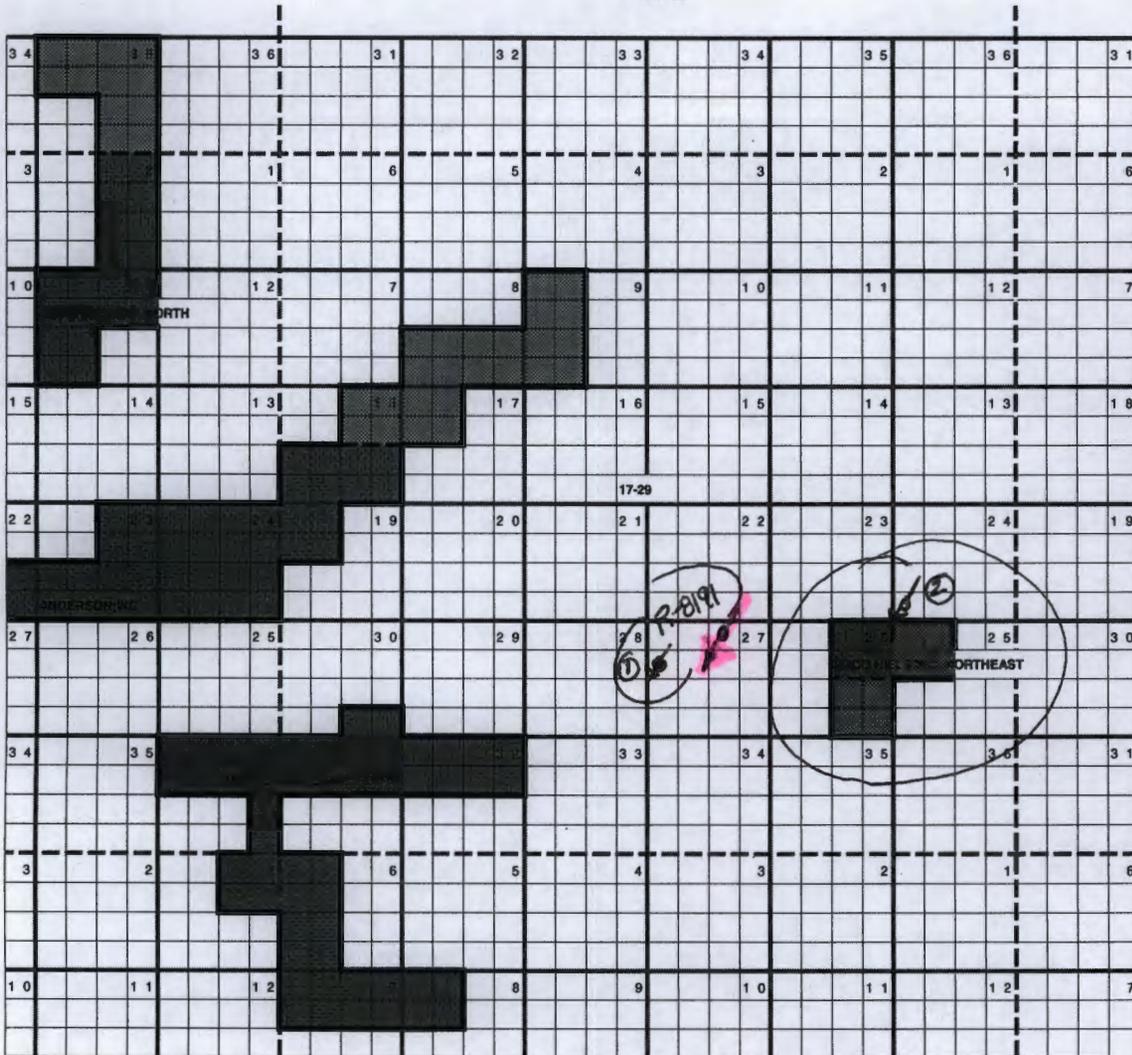
Planned Rehab Work to Well: [Applicant test results in area shown Devonian section w/poor perm.]

Well Construction Details:		Sizes (in)	Setting Depths (ft)	Cement Sx or Cf	Cement Top and Determination Method
Planned <input checked="" type="checkbox"/> or Existing <u>Surface</u>		<u>11 1/2 / 13 3/8</u>	<u>0 to 130'</u>	<u>580</u>	<u>Circulated to Surf;</u>
Planned <input checked="" type="checkbox"/> or Existing <u>Intern/Prod</u>		<u>12 1/4 / 9 5/8</u>	<u>0 to 4500'</u>	<u>1400</u>	<u>Circulated to Surf;</u>
Planned <input checked="" type="checkbox"/> or Existing <u>Intern/Prod</u>		<u>8 3/4 / 7</u>	<u>0 to 10000</u>	<u>865</u>	<u>70C 3000' - No Metall Pak.</u>
Planned <input type="checkbox"/> or Existing <u>Prod/Liner</u>		<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
Planned <input type="checkbox"/> or Existing <u>Liner</u>		<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>
Planned <input checked="" type="checkbox"/> or Existing <u>OH/PERF</u>		<u>8 3/4 / 7</u>	<u>7700 to 9500</u>	<u>7800</u>	
Injection Stratigraphic Units:		Depths (ft)	Injection or Confining Units	Tops (ESI)	Completion/Operation Details:
Adjacent Unit: Litho. Struc. Por.					Drilled TD <u>10000</u> PBD <u>10000</u>
Confining Unit: Litho. Struc. Por.		<u>+232</u>	<u>Abo</u>	<u>5840</u>	NEW TD <u>—</u> NEW PBD <u>—</u>
Proposed Inj Interval TOP:		<u>7700</u>	<u>Wolfcamp</u>	<u>7468</u>	NEW Open Hole <input type="checkbox"/> or NEW Perfs <input checked="" type="checkbox"/>
Proposed Inj Interval BOTTOM:		<u>9500</u>	<u>Cisco</u>	<u>8149</u>	Tubing Size <u>4 1/2</u> in. Inter Coated? <u>Yes</u>
Confining Unit: Litho. Struc. Por.		<u>+440</u>	<u>Strawn</u>	<u>9940</u>	Proposed Packer Depth <u>7600</u> ft
Adjacent Unit: Litho. Struc. Por.					Min. Packer Depth <u>7600</u> (100-ft limit)
					Proposed Max. Surface Press. <u>1540</u> psi
					Admin. Inj. Press. <u>1540</u> (0.2 psi per ft)
AOR: Hydrologic and Geologic Information					
POTASH: R-111-P <input checked="" type="checkbox"/> Noticed? <u>NA</u>	BLM Sec Ord <u>16</u>	WIPP <input checked="" type="checkbox"/> Noticed? <u>NA</u>	SALT/SALADO T: <u>160</u>	B: <u>701</u>	CLIFF HOUSE <u>NA</u>
FRESH WATER: Aquifer <u>Mine allowed - East of RA</u>	Max Depth <u>250'</u>	HYDRO AFFIRM STATEMENT By Qualified Person <input checked="" type="checkbox"/>			
NMOSE Basin: <u>Roswell Art</u>	CAPITAN REEF: thru <input type="checkbox"/> adj <input type="checkbox"/> NA <input checked="" type="checkbox"/>	No. Wells within 1-Mile Radius? <u>1</u> FW Analysis <input checked="" type="checkbox"/>			
Disposal Fluid: Formation Source(s) <u>Glorieta / Yeso</u>	Analysis? <u>Yes</u>	original application <input checked="" type="checkbox"/> or Lease <input type="checkbox"/> Operator Only <input type="checkbox"/> or Commercial <input type="checkbox"/>			
Disposal Int: Inject Rate (Avg/Max BWPD): <u>4000/15000</u>	Protectable Waters? <u>(Unknown)</u>	System: Closed <input checked="" type="checkbox"/> or Open <input type="checkbox"/>			
HC Potential: Producing Interval? <u>Yes</u> / both	Formerly Producing? <u>Yes</u>	Method: Logs/DST/P&A/Other <u>(Prepared)</u>			
AOR Wells: 1/2-M Radius Map? <u>Yes</u>	Well List? <u>Yes</u>	Total No. Wells Penetrating Interval: <u>1</u> Horizontals? <u>0</u>			
Penetrating Wells: No. Active Wells <u>1</u>	Num Repairs? <u>0</u>	on which well(s)? <u>Active SWD</u> Diagrams? <u>NA</u>			
Penetrating Wells: No. P&A Wells <u>0</u>	Num Repairs? <u>0</u>	on which well(s)? <u>—</u> Diagrams? <u>NA</u>			
NOTICE: Newspaper Date <u>08/27/2014</u> Mineral Owner <u>BLM</u> Surface Owner <u>BLM</u> N. Date <u>08/27/14</u>					
RULE 26.7(A): Identified Tracts <u>Yes</u> Affected Persons: <u>Amarex / COG / ConocoPhillips / Davoil O&G / EOG / Buckhorn / [unclear]</u> N. Date <u>08/27/14</u>					

Permit Conditions: Issues: TP versus 200' sump; HC potential; CBL; injection survey (<1500')
 Add Permit Cond: Injection survey; bottom of well to be within 200' of 9500; CBL for 7 1/2; injection survey

Wolfcamp pools

R 29 E



T 17 S

SWD - Active

- ① 30-015-22037 Robinson No. 1 - COG / low WC interval
Order R-8191 small Cisco interval

Closest well - U.P. production

- ② 30-015-03068 Burch Keely Unit #113 (formerly No. 24) June 10 1993
Upper penn 9265' to 9299'

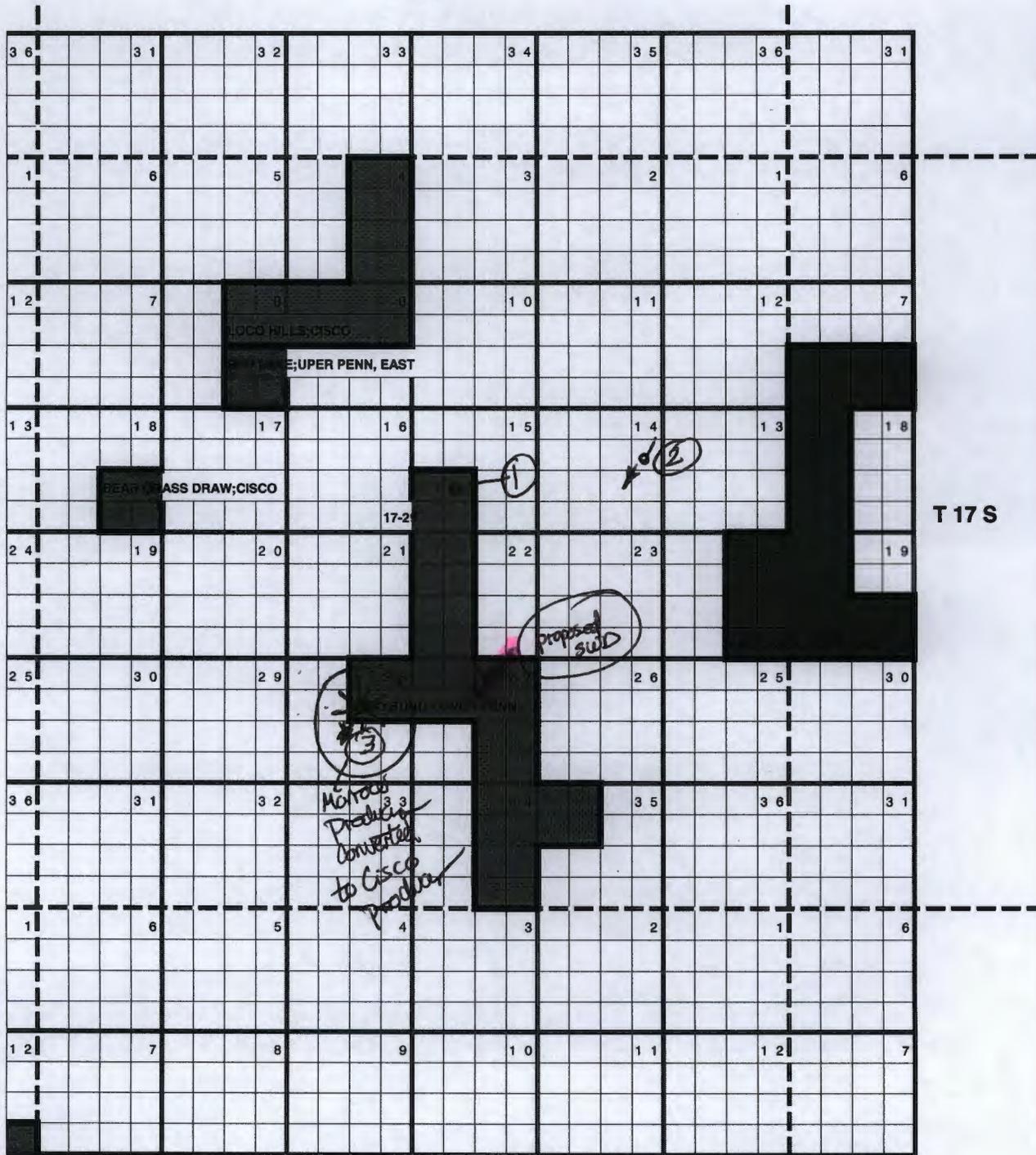
- NE Loco Hills / WC (Pool 97601)

- o Cimarex APD for vertical well in WC - 2007 but expired (ULM, Sec. 24 - 175 - 29E)
- o EOG APD for vertical well in Morrow gas - 1997 but expired (ULG, Sec. 26 - 173 - 29E)
- o Cimarex 2 APDs for vertical in Sec 26 - 2007 but expired

- No producers in Wolfcamp for this pool; all cancelled wells by 2009,

Cisco pools

R 29 E



Grayburg; Upper Penn (Pool 29270)

Three wells in Pool - all active

- Oil
- ① 30-015-20715 Concess State #1/COG/K-15-17S/29E
 - ② 30-015-31041 M Dodd B Deep Fed #2/COG/H-14-17S/29E
 - ③ 30-015-33203 Diamondbacks State #1/COG/G-28-17S/29E

SWD-921

Gas

Completion: Morrow perms 10698-10800'
 Top Cisco - 8548' Recompleted to Cisco Perfs 8823-8970